



**Background Briefing:** Just like the development of the Internet, and then smart phones, 5G has the potential to be transformational to the US economy. It will bring about the reality of the Internet of Things. Devices will talk to other devices; they will communicate with you and provide services once thought impossible. At the same time, it will also mean that millions more base stations and cell towers will be required creating potential health risks.

In addition, the US faces a major national security threat if China is allowed to lead and establish the 5G standard platform. America's current telecom giants appear to be too big to lead aggressively in developing a standardized 5G platform. And despite President Trump's 5G executive order, our government is not necessarily moving at the pace needed for success.

America's 5G leadership is not guaranteed. Political answers are needed and standardization needs to be developed to ensure safe and successful implementation.

**Your Mission:** To continue to stay up to date on new 5G investment opportunities, 5G national security issues, and the potential health threats.

America can win on all fronts, and potential solutions are provided in this briefing. We need your persistence and ingenuity to communicate this clearly with your representatives. Executed correctly there is significant investment and lifestyle benefits ahead!

## **(OSINT)- Open Sourced Intelligence Briefing**

*This includes quotes and summaries of conversations in the Economic War Room with Kevin Freeman and Dr. Gil Amelio. Dr. Amelio is an American technology executive. He is the former Chairman and CEO of Apple Computer and National Semiconductor. He even invented the optical sensor that makes it possible to have a camera in your iPhone.*

"The mobile phone is probably the most important consumer device made."

— Gil Amelio, PhD



### **1. The 5G difference and economic breakthroughs ahead.**

- It provides significantly more spectrum for the Internet of things. Devices will talk to other devices.
- Devices will communicate with you and provide information
  - a. You can tell your car to take me to my children's school, it will show up in the system and take you there.
  - b. It will automatically send a text to the children when you are 10 minutes away.
  - c. If your refrigerator quits working, the repairman will be notified before you.
  - d. It will allow for self-driving, connected cars
  - e. Knowledge and communications will make for a more fulfilling life.
  - f. You can watch images and movies with real time action and almost no lag (latency).
  - g. In general, the Internet of Things becomes very robust.

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**Security will continue to be an issue. As technology changes so fast, it is hard to keep up with the next generation of devices.**

"I'm concerned that the Chinese government is monitoring everything. I'm also concerned that if they have access through a 5G network with that bandwidth, they'll be able to monitor everything around the world in real time." —Kevin Freeman



## **2. The 5G race with China—A national security risk.**

"We do need a system whereby we can evaluate this Chinese equipment at a sufficiently deep level to know if it is something we want, or is there something embedded in it that we don't want." —Gil Amelio, PhD

- There is lack of standardization.
- It is very easy to embed some type of device that improperly monitors information, and uses it for purposes not intended.
- It used to be technology was standardized for privacy, security, and functionality. Also, technology was tested until it was safe and proven.
- Now that there is global market, standardization does not happen as much.
- As standards were established, everyone worked together to ensure the standard was consistent around the world. **That is no longer happening, and no company or US government agency is taking leadership on the issue.**

"I think inevitably it will require a political answer because it's unlikely that Verizon, AT&T, Sprint, and T-Mobile are all going to get together and voluntarily do what's needed." —Gil Amelio, PhD

**China has government officials on the board of private companies.**

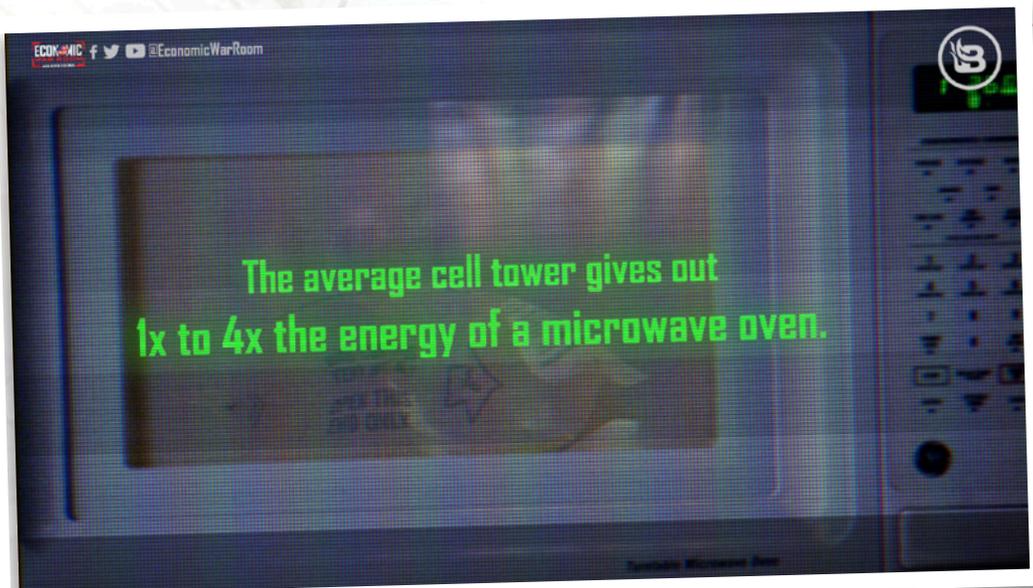
"I was on the board of a Chinese company for three years. There were two directors from the Chinese government there, but they never said one word. Not hello, not goodbye. They never said anything, but they were always at the table. They were from Beijing. The government placed them there as overseers and that tended to change the nature of the board meeting. So yes, I think you have every reason to be concerned about equipment you buy from China and make sure that it is standardized." —Gil Amelio



**3. The health risk of 5G?**

- There is a wide spectrum of disagreement about this issue within all of the relevant parties in the United States today, from the carriers to everyone else. Some people think it's a red herring and is a non-issue. And other people feel like we're putting our lives at risk.
- The most harmful radiation comes from the cell towers. It's not placing the phone to your head.
- The average cell tower gives out about the energy of anywhere from one to four times your microwave oven if the door were left open while it was running. Now if you have a site where you have AT&T, Verizon, T-Mobile, and Sprint co-located together, you have four times the microwaves there. Someone who is unknowingly close to that will suffer significant damage. **A 30-foot radius is the typical danger zone.**
- The operating energy level of your headset is much less. Unless you hold your phone to your head many hours a day, you're probably not at a whole lot of risk, but you don't want to do that for too long.

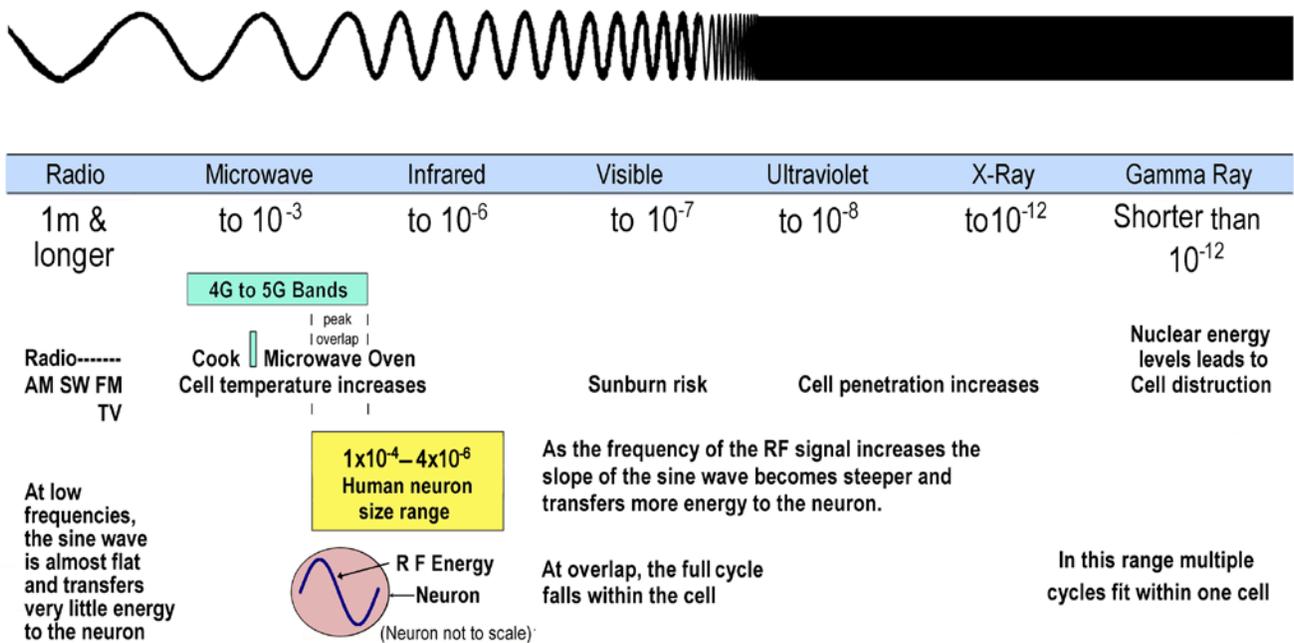
- With the current technology, we have over a **half a million base stations in the United States** today and it's growing by about ten thousand a year.
- **Cell towers today are in schools, they're in church steeples, they're in shopping centers. This is radiation producing equipment in all of those places that people do not even know about.**
- The carriers have outsourced the towers. Most people don't realize this, but most of the base stations you connect to are not owned by the phone company. They have contracted that out to a property owner who receives monthly money to rent this space.
- **We've seen in our studies a lot of people who've been harmed extremely severely because they didn't know they were in the proximity of something that could harm them.**
- With 5G, it is going to be even worse. There'll be millions of those stations and they operating at a higher frequency which is more dangerous. The higher the frequency, the more energy, the more energy, the more harm it can do.



## Lessons from Science:

Note the Electromagnetic Spectrum ranges from your AM radio to a Thermo Nuclear Explosion.

### The Electromagnetic Spectrum Wavelength in meters



The safe zone is to the left, as the scale moves to the right, there is a mid-range where phone calls are made, in the middle of the spectrum This is similar to the bandwidth area of a microwave.

“This is the size of a neuron and at this bandwidth the entire wave length fits within your neuron. That means that the max amount of energy is being absorbed by that neuron. And as you go to go further right on the chart, you’ll have more and more of these waves within the same neurons, so the more likely it will be damaged. Over time, even at some of the lower frequencies, if you’re exposed long enough, you will have significant damage. There’s data that shows that.” –Gil Amelio, PhD



**IMPORTANT:** This is signal strength at the cell tower, not the handset. But if you are close to a tower (within 30 ft, it is like turning on the microwave oven with the door open. People working on or near cell towers have been severely harmed).

We have 500,000 cell towers, and will soon have millions.

“The fact of the matter is whether we like it or not, over the last hundred years or so we have always underestimated the potential harm of radiation starting with the discovery of x-rays.” –Gil Amelio, PhD

## The Problem:

Innocent people and workers are currently at risk because they do not know they may be working in a dangerous base station/cell tower area. Locating future cell towers in safe zones is critical. See Action Steps below for potential solutions and how you can win with 5G. There are great opportunities ahead, but we need standards and systems defined now.



## Why You Should Care:

- There are great economic and lifestyle opportunities ahead with 5G technology, as well as significant risk if China leads the way.
- There is a national security threat as it relates to the standards and who is operating the 5G technology.
- There is a significant health risk within a 30-foot radius at the cell/5G tower locations and there will be millions more installed.
- Often, people are unaware they are close to a danger zone within a school, hospital, church or office building. There could be a hidden cell tower in many locations you do not suspect.
- There is a solution to help mitigate the health risk, but lack of leadership at the corporate and government levels.

*In the Economic War Room, we encourage Americans to be the “small ships that make the difference.” You cannot rely on the government or the President to solve your problems. You have to make a difference. It is up to you to help take our country back.*

## **Economic Patriot Action Plan**

**Step 1:** Get with your financial advisor and continue to stay up to speed on potential 5g investments that may be promising. Determine what is best for you and what you should do about it. [Review Battle Plan EP13](#) for more information about the 5G opportunity.

**Step 2:** Our carriers may be too big and slow to lead the 5G revolution. President Trump has put out an Executive order, but it needs follow up in DC. The answer to leading the 5G and standardization will need to be driven by political will. Ensure your representatives are up to speed to ensure American leadership. Send Economic Battle Plans™ [\(5G\) Ep.13](#) and this battle plan (5G Opportunities and Threats) to your representatives and ask them what they are doing to solve this?

**Step 3:** There should be a government/carrier approved education process. In general, anyone who has access to a tower site should have to pass a test that demonstrates they understand the geometry of the site, where it's harmful, and where it isn't harmful. This way they can make intelligent steps about protection while they are at the site.

**Step 4:** Federal Regulations need to be reviewed as it relates to FCC regulations, 911 service, and workers on cell towers. Currently if the phone company turns off too many stations for a repair to be done, they cannot meet the 911 compliance requirement.

- Anyone who goes out to a site, needs to have online safety courses and then be able to take their cell phone with an app on it that provides a three-dimensional image of what that site looks like.



This will show where the radiation plumes are, or the danger areas which are usually depicted in red. Red is very dangerous, yellow which is less dangerous, and green which is completely safe. The general rule of thumb is if you're 30 feet or more away you're in the Green Zone.

**Step 5:** As it relates to towers in schools and other public places, a similar app is being developed by Dr. Amelio's team that should be considered. It could be on everyone's cell phone and available online. If you get within 30 feet of an operating base station it will warn you. Ask your representative's to look into this.

- a. 1996 Telecom Act says you can charge for compliance costs. So in order to comply with the proper standards here, for about 20 cents a month this could be included on all cell phones.
- b. Agreement by the telecom industry or legislation that moves this forward would be significant for the comfort of knowing you're not going to inadvertently walk into the wrong place, or that some worker will not be harmed because they were not told or educated ahead of time about a tower radiation risk.

**Step 6:** Tell your financial adviser that you want to find investment opportunities that not only make money, but also help to ensure America's future for our children for our grandchildren. We can work together to find appropriate investments for our future, and we stand ready to help your adviser to help you weaponize your money.

**Step 7: Look for ways you can mobilize or weaponize your money toward things that strengthen America.** Nominate your financial advisor for our National Security Investment Consultant Institute (NSIC) classes at [EconomicWarRoom.com/advisor](http://EconomicWarRoom.com/advisor).



# ECONOMIC BATTLE PLAN™

GIL AMELIO - 56 Opportunities and Threats **2.42**  
[ECONOMIC PATRIOT SCORE: 65]

**Step 8: We need more Economic Patriots on the team!** Consider what can you do now to help strengthen America or even help someone in need. Keep in touch with your congressional representatives. Choose from the list or set your own goals:

- Get others to sign up at [EconomicWarRoom.com](http://EconomicWarRoom.com) and review our weekly Economic Battle Plans™. Each of these will address critical solutions to the threats highlighted on this briefing.
- Subscribe to our weekly [Economic War Room show on TheBlaze](#). We need to break the digital ghetto that is limiting free speech regarding truth and liberty.
- Follow, like, comment and share on [Facebook](#) and [Twitter](#). We recognize these tools may be compromised at times, but when they are not filtered, they can be major platforms available to reach out to the public.
- Share this Economic Battle Plan™ and our short video segments on Facebook or YouTube with friends. We set up the Economic War Room to be your resource for information, preparation, and mobilization.
- Think about ways you can mobilize or weaponize your money towards things that strengthen American. This can be through charitable giving, spending, or investments.

***“You have an important role in the economic war we now face. You need a battle plan and you need to know what part you must play. And we need the help of the Almighty. You your family and the United States of America depend on it.”***

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## SHAREABLE PHRASE:

(share this quote with your friends or at the office)

**“The average cell tower gives out the energy of anywhere from one to four times of a continuously running microwave oven with the door open.”**

-Gill Amelio, PhD

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## The EWR Collection Deck

From Kevin Freeman

### QUICK SECTION LINKS

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[THE NATIONAL SECURITY IMPLICATIONS AND CONCERNS OF 5G](#)

[ECONOMIC ISSUES OF 5G](#)

[POSSIBLE HEALTH ISSUES OF 5G BASE STATIONS](#)

### [+] Must Read/Watch

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[+] Link to all Battle Plans

<https://www.economicwarroom.com/battleplans>

**BACKGROUND ON DR. GIL AMELIO**

[+] On the Firing Line: My 500 Days at Apple

<https://www.amazon.com/Firing-Line-500-Days-Apple/dp/0887309194>

[+] The Man Who Saved Apple Isn't The Subject Of Major Motion Pictures

<https://www.forbes.com/sites/realspin/2013/08/15/the-man-who-saved-apple-isnt-the-subject-of-major-motion-pictures/>

[+] RF Check Inc

<https://www.bloomberg.com/profile/company/1267610D:US>

**THE NATIONAL SECURITY IMPLICATIONS AND CONCERNS OF 5G**

[+] Trump Signs Order to Protect US Telecom Networks, Paving Way for Huawei Ban

<https://theepochtimes.com/trump-signs-order-to-protect-us-telecom-networks-paving-way-for-huawei-ban-2925293.html>

What Trump's Huawei reversal means for the future of 5G

<https://www.bostonglobe.com/business/2019/07/01/what-trump-huawei-reversal-means-for-future/kxd0THzIt3TQiR0VWVDECM/story.html>

The Russian government-funded TV network's hyperbolic campaign against US 5G

<https://thebulletin.org/2019/05/the-russian-government-funded-tv-networks-hyperbolic-campaign-against-us-5g/>

The 5G Battle: A Change Of Mind Needed To Win The War

<https://www.forbes.com/sites/alejandrochafuen/2019/05/09/the-5g-battle-a-change-of-mind-needed-to-win-the-war/#14881277944>

High Stakes in 5G Competition: Newt Gingrich Sounds the Alarm on China's Progress Towards Global Digital Hegemony

<https://presentdangerchina.org/2019/05/high-stakes-in-5g-competition-newt-gingrich-sounds-the-alarm-on-chinas-progress-towards-global-digital-hegemony/?preview=true>

Huawei makes false promises on 5G security as one of the 'Five Eyes' goes blind

<http://www.aei.org/publication/huawei-makes-false-promises-on-5g-security-as-one-of-the-five-eyes-goes-blind>

On 5G, the United States is building Betamax while China builds VHS

[https://www.washingtonpost.com/opinions/global-opinions/on-5g-the-united-states-is-building-betamax-while-china-builds-vhs/2019/04/18/1b9cd096-620c-11e9-bfad-36a7eb36cb60\\_story.html](https://www.washingtonpost.com/opinions/global-opinions/on-5g-the-united-states-is-building-betamax-while-china-builds-vhs/2019/04/18/1b9cd096-620c-11e9-bfad-36a7eb36cb60_story.html)

### **ECONOMIC ISSUES OF 5G**

[+] 5G is real and lightning fast (sometimes): Here's everything you need to know

<https://www.cnet.com/news/5g-is-real-and-lightning-fast-sometimes-heres-everything-you-need-to-know/>

Jim Cramer revisits his top stock picks for the 5G rollout

<https://www.cnbc.com/2019/04/29/jim-cramer-revisits-his-top-stock-picks-for-the-5g-rollout.html>

Millimeter-wave 5G will never scale beyond dense urban areas, T-Mobile says

<https://arstechnica.com/information-technology/2019/04/millimeter-wave-5g-will-never-scale-beyond-dense-urban-areas-t-mobile-says/>

How 5G Networks Will Change America

<https://www.forbes.com/sites/miriamtuerk/2019/02/27/how-5g-networks-will-change-america/#2c2b699011b5>

### **POSSIBLE HEALTH ISSUES OF 5G BASE STATIONS**

[+] The race to 5G technology needs to take public health into account

[https://www.washingtonpost.com/opinions/the-race-to-5g-technology-needs-to-take-public-health-into-account/2019/02/24/5076e23e-3624-11e9-8375-e3dcf6b68558\\_story.html](https://www.washingtonpost.com/opinions/the-race-to-5g-technology-needs-to-take-public-health-into-account/2019/02/24/5076e23e-3624-11e9-8375-e3dcf6b68558_story.html)

At Senate Commerce Hearing, Blumenthal Raises Concerns on 5G Wireless Technology's Potential Health Risks

<https://www.blumenthal.senate.gov/newsroom/press/release/at-senate-commerce-hearing-blumenthal-raises-concerns-on-5g-wireless-technologys-potential-health-risks>

5G signal could jam satellites that help with weather forecasting

<https://www.theguardian.com/world/2019/may/04/5g-mobile-networks-threat-to-world-weather-forecasting>

Is Cell Phone Tower Radiation Harmful?

<https://www.radiationhealthrisks.com/cell-phone-tower-radiation-harmful/>

Human Exposure to Radio Frequency Fields: Guidelines for Cellular Antenna Sites

<https://www.fcc.gov/consumers/guides/human-exposure-radio-frequency-fields-guidelines-cellular-and-pcs-sites>

[https://www.fcc.gov/sites/default/files/human\\_exposure\\_to\\_radio\\_frequency\\_fields\\_-\\_guidelines\\_for\\_cellular\\_antenna\\_sites.pdf](https://www.fcc.gov/sites/default/files/human_exposure_to_radio_frequency_fields_-_guidelines_for_cellular_antenna_sites.pdf)

**[+]** Are Cellphone Towers Hazardous to Your Health?

<https://www.foxnews.com/tech/are-cellphone-towers-hazardous-to-your-health>

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